Kaede Saho

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EDUCATION

Cornell College   Mount Vernon, IA
Bachelor of Arts in Computer Science and Data Science | GPA: 3.92   Expected May 2027
Honors: Dean's List, December 2023 - Present, First-Year Computer Science Student Achievement Award

EXPERIENCE

CS Research Intern | PyTorch, FastText, spaCy, Bi-LSTM, Jupyter Notebook   Mount Vernon, IA
Cornell Summer Research Institute, Cornell College   May 2025 - July 2025
- Achieved 89% accuracy in predicting 223 fine-grained part-of-speech tags on 87,000 Scottish Gaelic tokens by implementing Bi-LSTM models with PyTorch and applying FastText embeddings
- Handled challenges of working with a low-resource language by designing effective data preprocessing and optimizing model inputs for next-word prediction on a dataset of 1 million tokens

PROJECTS

SprintBoard | React, Typescript, Flask, PostgreSQL, CSS   Jan 2026
- Developed a full-stack project-management web app supporting agile workflows (sprints, Kanban boards, backlog)
- Implemented user authentication with role-based access and task management features (status, priority, dependencies, sprint assignment)

iOS Fashion Styling App | Swift, SwiftUI, Flask, Python, REST API, Firebase   May 2025 - Present
- Developing an iOS app that helps users manage and style their wardrobe efficiently
- Built a Flask backend that removes photo backgrounds and organizes clothing images in a category-based database, enabling accurate outfit retrieval tailored to user needs
- Designing an AI system to recommend outfits based on weather, occasion, and mood

Coding Interview Assist AI | Python, Ollama, Streamlit   September 2025 - Present
- Built an AI-powered platform that simulates coding interviews and provides automated feedback on problem-solving and communication
- Implement speech-to-text and text-to-speech pipelines to enable fully voice-interactive sessions
- Integrate a local LLM (Ollama) to enable dynamic, real-time AI interview questioning and feedback generation

CompassQA - AI-powered Q&A system | Ollama, LangChain, Streamlit, Python, FAISS   August 2025
- Developed a RAG system using LangChain and Ollama to answer questions from the Cornell College "Compass" handbook (academic, residential, and financial policies)

TECHNICAL SKILLS

- **Programming Languages**: Python, C, TypeScript, Swift, SQL, HTML, CSS, R
- **Frameworks & ML:** Flask, PyTorch, TensorFlow, Keras, scikit-learn, spaCy, LangChain, Ollama
- **Data Analysis & Visualization**: pandas, NumPy, matplotlib, Tableau
- **Developer Tools**: Git, VS Code, Xcode, RStudio

LEADERSHIP & ACTIVITIES

LEADS Program, Cornell College   September 2025 - Present
Cohort Member   Mount Vernon, IA
- Selected as one of 22 students to participate in Cornell's distinctive leadership development program
- Participate in a Strengths-based workshop series focused on various leadership competencies, including team building, emotional intelligence, personal branding, and effective communication

COURSEWORK

Systems Software, Full-stack Development, Software Development Processes, Machine Learning, Computer Algorithms, Data Structures, iOS Application Development, Introduction to Data Science, Database Technologies for Analytics, Data Visualization, Advanced Regression